

AN ORDINANCE OF THE CITY OF FRISCO, TEXAS, REPEALING ORDINANCE NO. 08-01-09; AMENDING DIVISION 7 (PLUMBING), ARTICLE IV (TECHNICAL CODES), CHAPTER 18 (BUILDINGS AND BUILDING REGULATIONS), PART II OF THE FRISCO CODE OF ORDINANCES; ADOPTING THE 2012 EDITION OF THE INTERNATIONAL PLUMBING CODE, SAVE AND EXCEPT THE DELETIONS AND ADDITIONS SET FORTH HEREIN; REGULATING THE ERECTION, INSTALLATION, ALTERATION, REPAIRS, RELOCATION, REPLACEMENT, ADDITION TO, USE AND MAINTENANCE OF PLUMBING SYSTEMS WITHIN THE CITY OF FRISCO, TEXAS; PROVIDING FOR A PENALTY FOR THE VIOLATION OF THIS ORDINANCE; PROVIDING FOR REPEALING, SAVINGS AND SEVERABILITY CLAUSES; PROVIDING FOR AN EFFECTIVE DATE OF THIS ORDINANCE AND PROVIDING FOR THE PUBLICATION OF THE CAPTION HEREOF.

WHEREAS, the City Council of the City of Frisco, Texas ("City Council") has investigated and determined that it would be advantageous, beneficial and in the best interest of the citizens of the City of Frisco, Texas ("Frisco") to amend Division 7 (Plumbing), Article IV (Technical Codes), Chapter 18 (Buildings and Building Regulations), Part II of the Frisco Code of Ordinances by adopting the 2012 Edition of the International Plumbing Code, save and except the deletions and additions set forth below; and

WHEREAS, the City Council has investigated and determined that in order to most effectively make the deletions and additions necessary to Division 7 (Plumbing), Article IV (Technical Codes), Chapter 18 (Buildings and Building Regulations), Part II of the Frisco Code of Ordinances, it is in the best interest of the citizens of Frisco to repeal Ordinance No. 08-01-09 (Plumbing Code), in its entirety, and replace it with this Ordinance, adopting the 2012 Edition of the International Plumbing Code, save and except the deletions and additions set forth below.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF FRISCO, TEXAS:

SECTION 1: Findings Incorporated. The findings set forth above are incorporated into the body of this Ordinance as if fully set forth herein.

SECTION 2: Repeal of Ordinance No. 08-01-09. Ordinance No. 08-01-09 is hereby repealed, in its entirety, and replaced by this Ordinance. The effective date of the repeal discussed in this Section shall not occur until the effective date of this Ordinance at which time Ordinance No. 08-01-09 shall be repealed. Such repeal shall not abate any pending prosecution and/or lawsuit or prevent any prosecution and/or lawsuit from being commenced for any violation of Ordinance No. 08-01-09 occurring before the effective date of this Ordinance.

SECTION 3: Amendment to Division 7 (Plumbing), Article IV (Technical Codes), Chapter 18 (Buildings and Building Regulations), Part II of the Frisco Code of Ordinances. Division 7 (Plumbing), Article IV (Technical Codes), Chapter 18 (Buildings and Building

Regulations), Part II of the Frisco Code of Ordinances is hereby amended for the sole purpose of adopting new plumbing code regulations as set forth in the International Plumbing Code, copyrighted by the International Code Council, Inc., save and except the deletions and additions set forth in Exhibit "A", attached hereto and incorporated herein for all purposes, regulating the erection, installation, alteration, repairs, relocation, replacement, addition to, use and maintenance of plumbing systems within Frisco ("2012 International Plumbing Code"). The 2012 International Plumbing Code is made a part of this Ordinance as if fully set forth herein. Three (3) copies of the 2012 International Plumbing Code are on file in the office of the City Secretary of Frisco being marked and designated as the 2012 International Plumbing Code. The deletions and additions set forth in Exhibit "A" are located on Frisco's website under Development Services.

SECTION 4: Savings/Repealing Clause. All provisions of any ordinance in conflict with this Ordinance are hereby repealed to the extent they are in conflict; but such repeal shall not abate any pending prosecution for violation of the repealed ordinance, nor shall the repeal prevent a prosecution from being commenced for any violation if occurring prior to the repeal of the ordinance. Any remaining portion of conflicting ordinances shall remain in full force and effect.

SECTION 5: Penalty Provision. Any person, firm, corporation or business entity violating this Ordinance shall be deemed guilty of a misdemeanor, and upon conviction therefore, shall be fined a sum not exceeding TWO THOUSAND AND NO/100 DOLLARS (\$2,000.00), and each and every day that such violation continues shall be considered a separate offense; provided, however, that such penal provision shall not preclude a suit to enjoin such violation. Frisco retains all legal rights and remedies available to it pursuant to local, state and federal law.

SECTION 6: Severability. If any section, subsection, sentence, clause or phrase of this Ordinance is for any reason, held to be unconstitutional or invalid by a court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Ordinance. Frisco hereby declares that it would have passed this Ordinance, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses, and phrases be declared unconstitutional.


SECTION 7: Effective Date. This Ordinance shall become effective upon its passage and publication as required by the City Charter and by law.

DULY PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF FRISCO, TEXAS, on this 1st day of October, 2013.



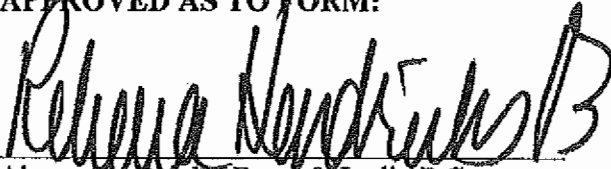
Maher Maso, Mayor

**ATTESTED AND CORRECTLY
RECORDED:**


Jenny Page, City Secretary



APPROVED AS TO FORM:


Abernathy Roeder Boyd & Joplin P.C.
Rebecca Hendricks Brewer, City Attorneys

Date(s) of Publication: _____, *Frisco Enterprise*

Exhibit "A"
CITY OF FRISCO DELETIONS/ADDITIONS
2012 INTERNATIONAL PLUMBING CODE¹

The following deletions and additions of the 2012 International Plumbing Code are hereby approved and adopted (*i.e.* deletions evidenced by ~~strikethrough~~ and additions evidenced by underline)²:

Chapter 1. Scope and Administration of the 2012 International Plumbing Code is amended as follows:

Section 102 Applicability of the 2012 International Plumbing Code is amended as follows:

102.8 Referenced codes and standards. The codes and standards referenced in this code shall be those that are listed in Chapter 14 and such codes, and standards shall be considered as part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Sections 102.8.1 and 102.8.2. Whenever amendments have been adopted by Frisco, as they exist or may be further amended, to the referenced codes and standards, each reference to said codes and standards shall be considered to reference the amendments and any future amendments thereto.

Section 106 Permits of the 2012 International Plumbing Code is amended as follows:

106.6.2 Fee schedule. The fees for all plumbing work shall be as indicated established in Frisco's Comprehensive Master Fees Ordinance, as amended.

106.6.3 Fee refunds. The building official shall authorize the refunding of fees as follows:

2. Not more than 80 percent of the permit fee paid when no work has been done under a permit issued in accordance with this code.
3. Not more than 80 percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.

Chapter 3. General Regulations of the 2012 International Plumbing Code is amended as follows:

Section 305 Protection of pipes and plumbing system components of the 2012 International Plumbing Code is amended as follows:

¹ Unless otherwise expressly provided herein, all phrases, words and/or terms used herein shall have the same meaning ascribed to the same in the 2012 International Plumbing Code (regardless of whether such phrases, words and/or terms are italicized herein).

² Other italicized and bold notations are provided throughout for informational purposes only. By way of example only, "[Paragraph remains unchanged.]".

305.4.1 Sewer depth. ~~Building sewers that connect to private sewage disposal systems shall installed not less than [Number] inches (mm) below finished grade at the point of septic tank connection.~~ Building sewers shall be installed not less than 12 inches (305 mm) below grade.

305.7 Protection of components of plumbing system. Components of a plumbing system installed within three (3) feet along alleyways, driveways, parking garages or other locations exposed to damage shall be recessed into the wall or otherwise protected in an approved manner.

Section 312 Tests and Inspections of the 2012 International Plumbing Code is amended as follows:

312.9 Shower liner testing. Where shower floors and receptors are made watertight by the application of materials required by Section 417.5.2, the completed liner installation shall be tested. The pipe from the shower drain shall be plugged water tight for the test. The floor and receptor area shall be filled with potable water to the level of the rough a depth of not less than 2 inches (51mm) measured at the threshold. Where a threshold of at least two (2) inches (51mm) high does not exist, a temporary threshold shall be constructed to retain the test water in the lined floor or receptor area to a the level of the not less than 2 inches (51mm) deep measured at the threshold. The water shall be retained for a test period of not less than 15 minutes, and there shall not be evidence of leaking.

312.10 Inspection and testing of backflow prevention assemblies. Inspection and testing shall comply with Sections 312.10.1 and 312.10.2.

312.10.1 Inspections. Annual inspections shall be made of all backflow prevention assemblies and air gaps to determine whether they are operable. In absence of local provisions, the owner is responsible to ensure that testing is performed.

312.10.2 Testing. Reduced pressure principle, double check-valve, pressure vacuum breaker, reduced pressure detector fire protection, double check detector fire protection, and spill resistant vacuum breaker backflow preventer assemblies and hose connection backflow preventers shall be tested at the time of installation, immediately after repairs or relocation and at least annually, by a recognized backflow prevention assembly tester, and certified to be operation within specifications. The testing procedure shall be performed in accordance with applicable State or local provisions. The owner is responsible to ensure that testing is done in accordance with the standards listed in this Section. The testing procedure shall be performed in accordance with one of the following standards: ASSE 5013, ASSE 5015 ASSE 5020, ASSE 5047, ASSE 5048, ASSE 5052, ASSE 5056, CSA B64.10 or CSA B64.10.1.

Section 314 Condensate Disposal of the 2012 International Plumbing Code is amended as follows:

314.2.1 Condensate disposal. Condensate from all cooling coils and evaporators shall be conveyed from the drain pan outlet to an approved place of disposal. Such piping shall maintain a minimum horizontal slope in the direction of discharge of not less than one-eighth (1/8) unit vertical in twelve (12) units horizontal (one (1) percent slope). Condensate shall not discharge into a publicly exposed area such as a street, alley, sidewalk or other areas so as to cause a nuisance.

314.2.2 Drain pipe materials and sizes. Components of the condensate disposal system shall be cast iron, galvanized steel, copper, cross-linked polyethylene, polybutylene, polyethylene, ABS, CPVC, ~~or schedule 80 PVC pipe, when exposed to ultra violet rays,~~ PVC pipe or tubing. All components shall be selected for the pressure and temperature exposure rating of the installation. Joints and connections shall be made in accordance with the applicable provisions of Chapter 7 of the International Plumbing Code relative to the material type. Condensate waste and drain line size shall not be less than 3/4-inch (19 mm) internal diameter and shall not decrease in size from the drain pan connection to the place of condensate disposal. Where the drain pipes from more than one (1) unit are manifolded together for condensate drainage, the pipe or tubing shall be sized in accordance with Table 314.2.2.

314.2.3 Auxiliary and secondary drain systems. *[Paragraph remains unchanged.]*

1. An auxiliary drain pan with a separate drain shall be provided under the coils on which condensation will occur. The auxiliary pan drain shall discharge to a conspicuous point of disposal to alert occupants in the event of a stoppage of the primary drain. However, the conspicuous point shall not create a hazard such as dripping over a walking surface or other areas so as to create a nuisance. The pan shall have a minimum depth of 1 1/2 inches (38 mm), shall not be less than three (3) inches (76 mm) larger than the unit or the coil dimensions in width and length and shall be constructed of corrosion-resistant material. Galvanized sheet metal pans shall have a minimum thickness of not less than 0.0236-inch (0.6010mm) (No. 24 gage) galvanized sheet metal. Nonmetallic pans shall have a minimum thickness of not less than 0.0625 inch (1.6 mm).
2. A separate overflow drain line shall be connected to the drain pan provided with the equipment. Such overflow drain shall discharge to a conspicuous point of disposal to alert occupants in the event of a stoppage of the primary drain. However, the conspicuous point shall not create a hazard such as dripping over a walking surface or other areas so as to create a nuisance. The overflow drain line shall connect to the drain pan at a higher level than the primary drain connection.

Method 3 and 4 above may not be used for cooling or evaporator coils located in attics of residential occupancies.

Chapter 4. Fixtures, Faucets and Fixture Fittings of the 2012 International Plumbing Code is amended as follows:

Section 401 General, of the 2012 International Plumbing Code is amended as follows:

401.1 Scope. This Chapter shall govern the materials, design and installation of plumbing fixtures, faucets and fixture fittings in accordance with the type of occupancy, and shall provide for the minimum number of fixtures for various types of occupancies. The provisions of this Chapter are meant to work in coordination with the provisions of the International Building Code. Should any conflicts arise between the two (2) Chapters, the building official shall determine which provision applies.

Section 412. Floor and trench drains, of the 2012 International Plumbing Code is amended as follows:

412.5 Food service and food preparation areas. All areas used for the preparation of food products for sale or consumption by the public shall be provided with an approved quantity of floor drains. Floors shall be sloped to facilitate drainage to the required drains. Floor sinks shall not be used to meet this requirement.

412.6 Toilet rooms. Toilet rooms containing two (2) or more water closet or a combination of water closet and urinal shall be provided with a floor drain located in the toilet room. Floors shall be sloped to facilitate drainage to the required drains.

Chapter 5. Water heaters of the 2012 International Plumbing Code is amended as follows:

Section 502 Installation of the 2012 International Plumbing Code is amended as follows:

502.6 Water heaters installed above ground or floor. When the attic, roof, mezzanine or platform in which a water heater is installed is more than eight (8) feet (2438 mm) above the ground or floor level, it shall be made accessible by a stairway or permanent ladder with a minimum three hundred (300) pound capacity fastened to the building or an access door from an upper floor level.

Exception: Where a max ten (10) gallon water heater (or larger with approval) is capable of being accessed through a lay-in ceiling and a water heater is installed on a platform not more than ten (10) feet (3048 mm) above the ground or floor level and may be reached with a portable ladder.

Section 504 Safety devices of the 2012 International Plumbing Code, is amended as follows:

504.6 Requirements for discharge pipe. The discharge piping serving a pressure relief valve, temperature relief valve or combination thereof shall:

5. ~~Discharge to the floor, to the pan serving the water heater or storage tank,~~ to an indirect waste receptor or to the outdoors. When discharging outside the building, the point of discharge shall be with the end of the pipe six (6) inches (152 mm) above the ground and pointing downward.

Chapter 6. Water Supply and Distribution of the 2012 International Plumbing Code is amended as follows:

Section 605 Materials, Joints and Connections of the 2012 International Plumbing Code is amended as follows:

605.3 Water service pipe. Water service pipe shall conform to NSF 61 and shall conform to one of the standards listed in Table 605.3 for metallic pipe. All water service pipe or tubing, installed underground and outside of the structure, shall have a minimum working pressure rating of 160 psi (1100 kPa) at 73.4°F (23°C). Where the water pressure exceeds 160 psi (1100 kPa), piping material shall have a minimum rated working pressure equal to the highest available pressure. Water service piping materials not third-party certified for water distribution shall terminate at or before the full open valve located at the entrance to the structure. All ductile iron water service piping shall be cement mortar lined in accordance with AWWA C104. Non-metallic pipe may be permitted for underground water supply piping with prior approval of the building official.

Section 606 Installation of the building water distribution system of the 2012 International Plumbing Code is amended as follows:

606.1 Location of full-open valves. Full-open valves shall be installed in the following locations:

1. ~~On the building water service pipe from the public water supply near the curb.~~
3. On the discharge side of every water meter when located inside a building.

606.2 Location of shutoff valves. Shutoff valves shall be installed in the following locations:

2. On the water supply pipe to each sillcock when subject to freezing.

Section 607 Hot water supply system of the 2012 International Plumbing Code is amended as follows:

607.1 Where Required. In residential occupancies, hot water shall be supplied to all plumbing fixtures and equipment utilized for bathing, washing, culinary purposes, cleansing, laundry or building maintenance. In nonresidential occupancies, hot water shall be supplied for culinary purposes, cleansing, laundry, dishwashing or building maintenance purposes. In non-residential occupancies, ~~hot water or~~ tempered water shall be supplied for bathing and hand washing purposes.

607.5 Pipe insulation. For automatic-circulating hot water and heat-traced system, piping shall be insulated with not less than one (1) inch (25 mm) of insulation having a conductivity not exceeding 0.27 Btu per inch/h ft² °F (1.53 W per 25 mm/m² K). The first 8 feet (2438 mm) of piping in non-hot-water temperature maintenance systems served by equipment without integral heat traps shall be insulated with 0.5 inch (12.7 mm) of material have a conductivity not exceeding 0.27 Btu per inch/h ft² °F (1.53 W per 25 mm/m² K). All other hot water systems shall be insulated with a minimum of 0.38 inch (9.5 mm) of insulating material.

Chapter 7. Sanitary Drainage of the 2012 International Plumbing Code is amended as follows:

Section 710 Drainage system sizing of the 2012 International Plumbing Code is amended as follows:

710.1 Maximum fixture unit load. The maximum number of drainage fixture units connected to a given size of building sewer, building drain or horizontal branch of the building drain shall be determined using Table 710.1(1). The maximum number of drainage fixture units connected to a given size of horizontal branch or vertical soil or waste stack shall be determined using Table 710.1(2). No building sewer, including cleanouts, shall be less than 4 inches, or smaller than the building drain.

Chapter 9. Vents of the 2012 International Plumbing Code, is amended as follows:

Section 903 Vent Terminals of the 2012 International Plumbing Code is amended as follows:

903.1 Roof extension. Open vent pipes that extend through a roof shall be terminated not less than 6 inches (152 mm) above the roof, except that where a roof is to be used for any purpose other than weather protection, the vent extensions shall terminate not less than 7 feet (2134 mm) above the roof.

Section 918 Air Admittance Valves of the 2012 International Plumbing Code is amended as follows:

918.3 Where permitted. Individual, branch and circuit vents shall be permitted to terminate with a connection to an individual or branch-type air admittance valve in accordance with Section 918.3.1. Stack vents and vent stacks shall be

permitted to terminate to stack-type air admittance valve in accordance with Section 918.3.2. Air admittance valves shall only be installed with the prior approval of the building official.

Chapter 10. Traps, Interceptors and Separators of the 2012 International Plumbing Code, is amended as follows:

Section 1003 Interceptors and connections of the 2012 International Plumbing Code is amended as follows:

1003.3 Grease interceptors. Grease interceptors shall comply with Chapter 10 of the 2006 Uniform Plumbing Code, the requirements of Sections 1003.3.1 through 1003.3.5.

Chapter 11. Storm Drainage of the 2012 International Plumbing Code is amended as follows:

1106 Size of Conductors, leaders and storm drains of the 2012 International Plumbing Code is amended as follows:

1106.1 General. The size of the vertical conductors and leaders, building storm drains, building storm sewers, and any horizontal branches of such drains or sewers shall be based on 6 inches per hour rainfall rate, the 100-year hourly rainfall rate indicated in Figure 1106.1 or on other rainfall rates determined from approved local weather data.

1108 Secondary (Emergency) Roof Drains of the 2012 International Plumbing Code is amended as follows:

1108.3 Sizing of secondary drains. Secondary (emergency) roof drain systems shall be sized in accordance with Section 1106 based on the rainfall rate for which the primary system is sized in ~~Tables 1106.2, 1106.3 and 1106.6.~~ Scuppers shall be sized to prevent the depth of ponding water from exceeding that for which the roof was designed as determined by Section 1101.7. Scuppers shall be 3 times the size of the primary roof drains and shall not have an opening dimension of less than four (4) inches (102 mm). The flow through the primary system shall not be considered when sizing the secondary roof drain system.

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(The Index is provided for informational purposes only to note the location of the deletions/additions in the 2012 International Plumbing Code as set forth in this Ordinance)

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END OF EXHIBIT "A"